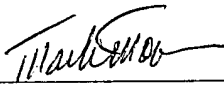


FORM PTO-1390 (REV 12-2004)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 4300.014300	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371				U.S. APPLICATION NO. (known as 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/519812</div>	
INTERNATIONAL APPLICATION NO. PCT/US03/20756		INTERNATIONAL FILING DATE June 30, 2003		PRIORITY DATE CLAIMED June 28, 2002	
TITLE OF INVENTION: rAAV COMPOSITIONS AND METHODS FOR DELIVERY OF HUMAN FACTOR VII POLYPEPTIDES AND TREATMENT OF HEMOPHILIA A					
APPLICANT(S) FOR DO/EO/US: BARRY J. BYRNE and CATHRYN S. MAH					
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4) 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4) 20. <input checked="" type="checkbox"/> Other items or information: Submission of Formal Drawings; Check; Postcard 					

page 1 of 2

CERTIFICATE OF EXPRESS MAILING	
NUMBER	EV 512313945 US
DATE OF DEPOSIT: <u>DECEMBER 28, 2004</u>	
I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
<div style="font-family: cursive; font-size: 1.2em;">Shan C. Shaw</div> <div style="text-align: center; font-size: 0.8em;">Signature</div>	

U.S. APPLICATION NO. (If known, see 37 CFR 1.51) 10/519812		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
21. <input checked="" type="checkbox"/> The following fees are submitted:					
<input checked="" type="checkbox"/> a) Basic national fee		\$300.00			\$ 300.00
<input checked="" type="checkbox"/> b) Examination fee		\$200.00			\$ 200.00
<input checked="" type="checkbox"/> c) Search fee		\$500.00			\$ 500.00
TOTAL OF ABOVE CALCULATIONS:				\$1000.00	\$ 1000.00
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
165 - 100 =	65	2	X \$250.00		\$ 500.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					\$ 130.00
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	
Total claims		21 - 20 =	1	X \$ 50.00	\$ 50.00
Independent claims		6 - 3 =	3	X \$ 200.00	\$ 600.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	\$
TOTAL OF ABOVE CALCULATIONS =					\$ 2280.00
<input checked="" type="checkbox"/> Applicants claim small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.					\$1140.00
SUBTOTAL =					\$1140.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$
TOTAL NATIONAL FEE =					\$1140.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property					\$
TOTAL FEES ENCLOSED =					\$1140.00
					Amount to be: refunded \$ charged \$
a. <input checked="" type="checkbox"/> A check in the amount of \$1140.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 50-0786 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0786/4300.014300. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit Card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: CUSTOMER NO. 23720 WILLIAMS, MORGAN & AMERSON, P.C. 10333 Richmond, Suite 1100 Houston, Texas 77042 (713) 934-4084					
			 SIGNATURE		
			MARK D. MOORE PRINTED NAME		
Date: DECEMBER 28, 2004			Reg. No. 42,903 REGISTRATION NUMBER		

10/519812

DT12 Rec'd PCT/PTO 28 DEC 2004
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

BARRY J. BYRNE
CATHRYN S. MAH

Group Art Unit: Unknown

Examiner: Unknown

Serial No.: Unknown

Atty. Dkt. No.: 4300.014300

Filed: Concurrently Herewith

Customer No. 23720

For: rAAV COMPOSITIONS AND METHODS
FOR DELIVERY OF HUMAN FACTOR
VII POLYPEPTIDES AND TREATMENT
OF HEMOPHILIA A

SUBMISSION OF FORMAL DRAWINGS

ATTN: Official Draftsman
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

EXPRESS MAILING LABEL
37 C.F.R. § 1.10

I hereby certify that this paper is being deposited with the U.S. Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" (Number EV 512313945 US) service on the date indicated and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

December 28, 2004
Date

Shan C. Smith
Signature

Applicants hereby submit the formal drawings for the above-referenced application
(Figure 1 on 1 sheet) and request that these drawings be accepted for filing.

Respectfully submitted,

WILLIAMS, MORGAN & AMERSON
CUSTOMER NO. 23720

Date: December 28, 2004

Mark D. Moore
Mark D. Moore, Ph.D.
Reg. No. 42,903
10333 Richmond, Suite 1100
Houston, Texas 77042
(713) 934-4084
(713) 934-7011 (facsimile)

AGENT FOR APPLICANTS

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 575)**Complete if Known**

Application Number	10/519,812
Filing Date	June 30, 2003
First Named Inventor	Barry J. Byrne et al.
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	36689.250 (formerly 4300.014300)

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 08-1394 Deposit Account Name: Haynes and Boone, LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

- 20 or HP = _____ x _____ = _____

HP = highest number of total claims paid for, if greater than 20

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

- 3 or HP = _____ x _____ = _____

HP = highest number of independent claims paid for, if greater than 3

Multiple Dependent Claims

Fee (\$) Fee Paid (\$)

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____	_____ / 50 = _____	_____ (round up to a whole number)	x _____ = _____	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Petition for an Extension of Time of three (3) months; Declaration

Fees Paid (\$)

\$575

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 42,903	Telephone 713-547-2040
Name (Print/Type)	Mark D. Moore, Ph.D.	Date	3/14/04

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.